INTERFACE EMULATION FOR STORAGE DEVICES

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ABSTRACT OF THE DISCLOSURE

10   An interface adapter is provided that allows a host device that communicates through a first interface protocol, such as a Fibre Channel compliant interface or a SCSI compliant interface, to connect to a plurality of storage devices that communicate through a second interface protocol, such as an IDE/ATA compliant interface. The interface adapter is configured to convert transmissions received from the host device to the second interface protocol and to convey the converted transmissions to the plurality of storage devices. The interface adapter is also configured to convert transmissions received according to the second interface protocol from the plurality of storage devices to the first interface protocol and to convey the converted transmissions to the host device. In this manner, the host device and the storage devices can accomplish input/output (I/O) transactions despite the fact that they implement different interface protocols. The interface adapter may allow IDE/ATA storage devices to be used in storage systems connected to host computer systems that communicate through a Fibre Channel compliant interface.

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